Rec'd June 13th
Ans Aug 29

Amherst
7 June 1864

Dear Sir

I thank you very heartily for the vol of the Transactions of the Academy of St. Louis, containing your Revision of the Juncei, and shall be grateful for the remainder of this most important work; which I cannot doubt has afforded you pleasure as well as labour. I wish I could contribute largely to the Herbarium normale, which you propose to issue, but am not likely to be able to travel the present season, and can

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only therefore give you what I have by me, namely

Juncus greenii — about 70 plants from the coast of Maine.

J. articulatus, — over a hundred, from the Amherst station, and

J. pelocarpus, Mey., Engelm., for this neighborhood, when it is very uncommon — as many as of the last.

If you desire these or any other, it will give me great pleasure to send them to you.

As to Isoetes, I never made any study of the genus, and scarcely

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deceive the compliment proposed by Prof. Braun. I got the plant referred at the time to T. riparia, Engelm., in the Mystic river in Medford, near Boston, at a spot, which though very near where the river issues from the fresh waters of the Mystic pond, is still affected by the tide. As it is not far from Cambridge, I have notified Dr. Gray of your wish to secure some specimens, and doubt not that he will be able to do so. My own are with my former herbarium, in Europe.

I have never observed anything answering to the T. fluitans; but regret that I never had the plant in my mind; as it can hardly fail of occurring in N. E. if in Lower Canada even.

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Just now I am so taken up with the difficult Lichenes that I have no time for herborizing, & shall not attempt it the present season.

I beg with this to send you a pamphlet which I have printed here — and to shew Prof. Braun that I am at work, will send one to him. And may I ask you if the sending such pamphlets by mail to Europe, is likely to cause the recipients any trouble, on account of the postage laws there. I refer especially to the German states.

With renewed thanks for your valuable Monograph, which I look forward to studying with great pleasure I am yours sincerely

P. Tuckerman

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Rec'd Oct 18th 1864
Ans same day.

Amherst, Mass.
13 Oct. 1864.

Dr. Engelmann

Dear Sir

I am sorry that I cannot give you any information about the Callitriche to which you refer. It must be many years since I gathered it, and as I never studied any species, I find no notes in my books.

But I can at least tell you that my specimens must now be at Upsal, as I gave my American Herb — except Carex & Potamogeton to Prof. Fries, about 1851.

But I send a species gath^d near here, & referred by me at the time to C. autumnalis, hoping that it may not be without interest. On looking at my foreign specimens (which I had not done before) I find that it differs both from the English (Hooker) and Swiss (Thomas) specimens which I have, ticketed autumnalis. Indeed these two look little alike.

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I have Rusby's Potamogetons, but gave the rest of that part of his herbarium which was purchased by me at Lambert's sale to the Philad^a Academy, and it is possible that which he got of Callitriche may be there: as the parcel purchased seemed to include all of his plants, which had not been mounted, and Callitriche seems as likely to be thrown out as Potamogeton.

When I next go to the White Mtns, I will try & recover the plant, and should I be able to meet with any other specimens of apparent interest, will not fail to reserve them. I suspect the White Mountain plant to have been obtained during the first years of my herborizing there, in which case it is likely to occur in the head-waters of the Saco near the Notch House, (ab^t 1800 ft alt.)

Yours very truly

Edw. Tuckerman

P.S.

I have what I send you of any importance. I can very readily procure more, another year.

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Recd. Octob 29

Amherst
24 Oct. 1864

Dear Sir

Accept my warmest thanks for your letter, and for the specimens enclosed. It will be my own fault if I do not henceforth keep an eye open for every Callitriche.

All the specimens are interesting to me, especially C. Austini — but I am so engrossed with the study of puzzling cryptogamic plants, that it is only occasionally that I turn to the Phanerogamia, and then only with reference to the Flora of the region immediately around Lee, or, if may be, that of New England

It is still a great pleasure to me to be able to contribute any mite to our knowledge of the distribution and range of plants; and I shall not fail

to remember your <u>desiderata</u> at the White Mountains, when I next visit the region.

The Spargania have not yet repaid my curiosity — I believe however that the species to which you refer was collected by me.

When, many years ago, it was my good fortune to discover anew Subularia (it had rested before solely on Nuttall's authority as occurring in "ponds at Paris, Maine" — but there were no specimens known to New England botanists, and that excellent collector, Dr. J.W. Robbins, had wholly failed to find it) in the little mountain pond which our party then called "Echo Lake" — the <u>Isoetes</u> turned up also, and was, I remember, determined as <u>I. lacustris</u>. This was the more interesting as the plant growing near

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Cambridge had been separated by you as S. riparia.

I wish that you might some day settle our Potamogetons. I have not touched them since 1848, when I made some pretty extensive researches, and ascertained one or two new species, besides acquiring a susceptibility to fever & ague which has not yet left me. The account given in Gray's Manual is entirely unsatisfactory to those who have made a specialty of the genus — among whom is Dr. Robbins, before-mentioned, who is still prosecuting the study, though I fear with no view to publication.

Should you ever take up these neglected plants I beg to offer for your use all my collections, both American & foreign; the latter quite extensive.

And in any other way that may offer

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it will give me pleasure to be of service to the extent of my power.

Yours very truly

Geo. Tiehenman

To G. Engelmann
St. Louis.

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Rec'd Dec 6
Ans Dec 7

Amherst
27 Nov. 1866

Dear Sir

I am sorry that my old herbarium is no longer in reach — that I might be able to answer your questions satisfactorily.

The Isoetes which Prof. Braun has connected my name with, was found by me in Mystic River, where a small bridge crosses the highway. It is very near to its place of exit from Mystic Pond. A note-book enables me to say that I got this in 1848.

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The only reference that I can discover to the species got by me in Echo Lake, Franconia, (the only locality in the White Mountains where I ever, or do for as I know anyone else ever observed the genus) is in a List in mss of the White Mountain Plants, made by me in 1858. This reads —

"Isoetes Lacustris? (Echo Lake, Fr.)"

The date I can only approximate by the discovery of the plant in question having occurred at the time I found Subularia.

Nuttall had found this in Maine, but Dr. Robbins failed to get any trace of it — and I

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am sure that no American spec.ns were in the hands of any New England botanist — till the plant turned up at Franconia.

With it I got the Isoetes, I supposed it to be I. lacustris. As Mr. Oakes collected the Sebulosia at my station (my present specimens were from him) and he died in 1840 — I must have got the Isoetes before that year — but I know not how long. It may be in 1844 or thereabout.

I hope to see the conclusion of your Juncii (in the Transactions) & to be considered a subscriber to one of the sets of Exsiccati if you publish in that way.

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I possess Meyen's Memoirs on Juncus & Luzula, & also Rostkovius — I shall be glad to transfer either to you if missing from your Library. The latter is perhaps rare.

I wish I were able to give you better information

Yours

Yours respectfully truly

Edw. Lackerman

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Recd Jan 19

Amherst
12 Jan. 1867

Dear Sir

I am unwilling to write to you again about the Isoetes which I happened to find, but not to study — and only do so to say — that I informed you when I wrote that I had no original memo. on my papers as to the finding of the White Mtn. species. It did not occur to me that my specimen might be in Dr. Gray's herbarium, or I had in short forgotten all about them. The ticket is evidence that I got the plant in 1843, and does not contradict the reference to it in the article in Silliman's Journal — the latter saying no more than that "in 1844, I was so fortunate as to meet with it" (Subularia, the plant I had in view) "growing abundantly, in about a foot of water, in company with Isoetes lacustris, on the gra-

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velly bottom of Echo Lake, Franconia Notch, N. H. I have not observed it" (Subularia) "in any other of the numerous ponds of the White Mountains," and it is possibly quite local."

This is all I know of bearing on the question, and you will see that it does not imply at all that I had not before found the Isoetes, which my ticket (for memory is at fault after 23 years) says I did.

As to the Isoetes occurring in other ponds of the region, my memory associates it only with the station recorded, as above, in print. But I know that my interest was not in the Isoetes, this attracting me much less, and as I certainly searched, more or less, all the little lakes of the Mts., during my herborizing

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I conclude, with the ticket, that I observed Isoetes, though not now remembering the fact.

This completes all I wish to say — & reconciles so near as I am able, what I have written & printed, with what memory now supplies me with on the matter in question.

Yours respectfully

E. Tuckerman

G. Engelmann

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Rec'd Aug 17 1876
Ans Feb 13 1878

Amherst
13 Aug. 1876

Dear Sir

Your acceptable letter was soon followed by the two Memoirs — which I have read with much interest.

But I am sorry to say that I have not done more than [illegible]quain myself very generally with the Oaks of this local Flora — & have not studied them. But I shall keep your desiderata in view, & acquaint you, if anything of interest turns up.

Agave is indeed far from me, though I prize my garden ornament

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Such plants attract me less than common ones. I shall place your Mexican in our College Library.

Lately I have done very little in the study of Lichens. But your curious species is much prized, & an ornament to the difficult group. The truth is that the Lichens prove so engrossing that my time is insufficient for anything else. The difficulty lies in the fact that in some cohorts of lichenists who follow a single lichenographer — any reasonable notion of species is disappearing — and the system is getting weighed down with a host

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of insignificant forms with names, the distinction of which is a matter rather of arbitrariness in the behalf of making new names — than anything else.

Of course if one will not follow in this course — he is exposed to criticism. One of my Cuba species (with a set of varis) appears for 11 species with the head of this school, tho' not with me, as I have been over the whole ground again, without being able to change my opinion.

The only safe thing seems is to call a thing new, or not try to reduce it to an older type. The latter is however, if vastly more difficult, I think also, more scientific.

Sincerely Yours,

E. M. Tatham

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Rec^d Feb 21st

Amherst
19 Feb. 1878

Dear Sir

Please accept my hearty thanks for your kind present of your continuation of the Oaks, of the Spruces of the Firs, & for the Juniper; and I have also read with much pleasure your memoir of Asa Shaw; as I had already perused that on Sorbus. Though not myself able to study at present any of these groups, I have had much pleasure in reading your remarks upon them, & they will prove a precious addition to the material in our College Library, to which I transfer all such works.

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Thank you for what you say about the Species-Krämerei now in the ascendant in Lichen. But it is not so easy to discard it. The Phytotomists of Germany care little perhaps about the System, but want the plants, They work on numbered and ticketed for them — I am sorry to say that the latter work is almost all the lichenologists by profession are now doing — the conception of species has scarcely any meaning left in and while all that is worthy of Science (I had almost said) is doing by men to whom the System, and Lichenography are matters of small importance — the lichenographists themselves, by all they do, & all they neglect, to do (Entwickelungs Gesch. &c) are proving, one shall say, how just is the judgment of the phytotomists, and what

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inferior science their, Lichenography. When I consider the work of some young Germans, (A. Minks of Stettin, L. Stahl of Würzburg, &c) who have followed De Bary & Schwendener, in their studies — with such work as Nylander's, in the Repertory Flora, & others, — I feel as if Lichenography, in the most learned hands, was an inferior discipline — and likely to grow more so.

And, for myself, I am compelled to this study of determinations, and nothing else — and, if I with not — follow the micrologist, now in full swing in France & England, I fear my determinations will not well pass — as they once did when Friar Montagne "ruled the roast." But, as you say, all will come right in the end.

Truly Your obliged
Edw. Tuckerman

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Rec March 4 74

Amherst
2 March 1880

Dear Doctor Engelmann

It is very pleasant indeed to me to receive a line from you: and I am sorry that you found there was no occasion for the query, on account of my having already answered it.

I will heartily that my knowledge in Botany was less limited than it is — but no doubt one cannot expect to be of use by this very limitation.

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Mr. Jesup is now a resident of Hanover, New Hampshire, and a teacher of Greek in Dartmouth College — that I know not with what title.

Willing it were in my power to be of service in regard to the distribution of Spores, which I have only accidentally collected, & never studied,

I am yours truly

Wm. Zuckerman

G. Engelmann

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Rec April 19

Amherst
15 April 1882

Dear Sir

Accept my best thanks for your exhaustive memoir on our Scoeter. I hardly deserve a copy, though it has been my good fortune to have a species named for me; for I have been attempted more than superficial study of only one or two species. I shall place your work in our College Library. With cordial

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greetings at the beginning
of the new season

I am respectfully
truly yours
Wm. Sucksmith

Dr. Engelmann

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